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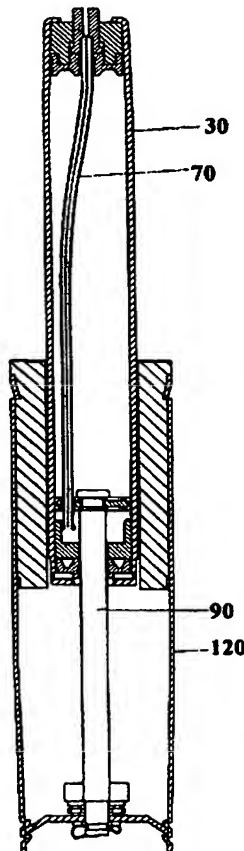
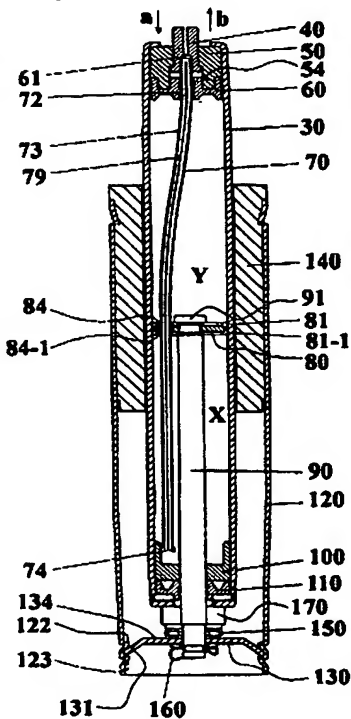
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(54) Title: LENGTH ADJUSTABLE GAS SPRING



(57) Abstract: Whereas existing length adjustable gas spring is comprised of double cylinder structure that is made up of external cylinder (10a) and internal cylinder (44a), length adjustable gas spring of this invention is made up of merely one cylinder (30). It is comprised of single cylinder structure in which pipe for gas transport (70, 70', 70'', 70\*) penetrates through the inside of this piston. Accordingly, this invention minimizes the number of parts that are assembled inside the cylinder (30), and simplifies structure of parts, which translates into the turning point for quality enhancement and reduction in the production cost. This invention is configured in a way that the spindle support (130) is fixated between the projected outward projection (122) and projected outward projection (123) that is projected out into the inner direction at the lower part of the outer drum (120). Moreover, it is possible to easily realize new functions that could not be realized on existing double cylinder structured matter due to structural limitation on this single cylinder structured length adjustable gas spring.

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